

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computerized system for managing the communication of a laboratory result to a person placing a laboratory order, comprising:

a laboratory information system data store storing clinical laboratory results for clinical laboratory orders;

an electronic medical record data store storing clinical event information;

a results posting module communicating with the laboratory information system data store and electronic medical record data store, the results posting module configured to publish clinical laboratory results from the laboratory information system data store to the electronic medical data store, wherein the results posting module publishes the clinical laboratory results directly from the laboratory information system data store to the electronic medical records data store; and

an order module for receiving directly from the person requesting a laboratory order at least two conditions for automatically notifying the person of the results of the laboratory order, wherein the at least two conditions includes a priority level of laboratory order and a normality of the clinical laboratory results associated with the laboratory order; and

a callback module for selectively identifying a clinical laboratory result posted in the electronic medical record data store and for requiring a communication directly from the electronic medical record data store to the

person placing the laboratory order for the selected clinical laboratory result, wherein the callback module selectively identifies the clinical laboratory result requiring communication based on, a comparison of the laboratory result and a clinical range relevant to the laboratory result, and information about the clinical laboratory order received from the order module.

2. (Original) A system according to claim 1, wherein the results posting module publishes the clinical laboratory results through a data exchange interface.

3. (Cancelled)

4. (Cancelled)

5. (Original) A system according to claim 1, wherein the callback module selectively identifies the clinical laboratory result requiring communication based on information associated with the person placing the laboratory orders resulting in the clinical laboratory result.

6. (Cancelled)

7. (Currently Amended) A computer-implemented method ~~in a computer environment~~ of managing the communication of a laboratory result to a person placing a laboratory order; comprising:

receiving directly from the person requesting a laboratory order at least two conditions for automatically notifying the person of the results associated with the laboratory order, wherein the at least two conditions include a priority level of laboratory order and a normality of the clinical laboratory results;

accessing utilizing one or more computing device, a laboratory information system data store containing a plurality of laboratory results;

posting the laboratory results from the laboratory information system data store to an electronic medical records data store;

analyzing utilizing one or more computing device, the clinical laboratory order for the clinical laboratory results;

comparing the laboratory result posted in the electronic medical record data store to a clinical range relevant to the laboratory result;

selectively identifying, utilizing one or more computing device, a clinical laboratory result requiring a communication to the person placing the laboratory order; and

communicating the clinical laboratory result requiring communication directly from the electronic medical record data store to the person placing the laboratory order utilizing one or more computing device.

8. (Original) A method according to claim 7, wherein the laboratory results are posted through a data exchange interface.

9-10 (Cancelled)

11. (Currently Amended) A computer-implemented method in a computing environment for communicating a laboratory result to a person placing a laboratory order, comprising:

accessing a data store containing a plurality of clinical laboratory results;

accessing an electronic medical record data store containing clinical event information;

posting the plurality of clinical laboratory results to the electronic medical record data store;

receiving directly from the person requesting a laboratory order at least two conditions for automatically notifying the person of the results of the laboratory order, wherein the at least two conditions includes a priority level of laboratory order and a normalcy of the clinical laboratory results associated with the laboratory order;

utilizing one or more computing device, selectively identifying directly from the electronic medical record data store a clinical laboratory result requiring communication to the person placing the laboratory order for the selected clinical laboratory result based on, a comparison of the laboratory result and a clinical range relevant to the laboratory result, and information about the clinical laboratory order;

identifying a first preferred notification method for the selected laboratory result; and

automatically generating, utilizing one or more computing device, a communication of the selected laboratory result by the first preferred method directly from the electronic medical record data store to the person placing the laboratory order.

12. (Previously Presented) A method according to claim 11, further comprising at least one of:

determining if the communication of the laboratory result is successfully completed; and

determining if the communication of the laboratory result is not completed, wherein, a second preferred method from the plurality of notification methods is identified and wherein a communication of the laboratory result by the second preferred method is generated.

13. (Original) A method according to claim 11, wherein the first preferred method is identified based on a schedule containing a location for the person placing the laboratory order.

14. (Original) A method according to claim 11, wherein the first preferred method is based on the availability of a communication device associated with the person placing the laboratory order.

15. (Original) A method according to claim 11, wherein the first preferred notification method is a telephone call to a particular phone number and wherein the first preferred notification method is identified from a plurality of notification methods associated with different phone numbers.

16. (Original) A method according to claim 11, wherein the laboratory result is communicated by the first preferred notification method through a delegate of the person placing the laboratory order.

17. (Original) A method according to claim 11, wherein the first preferred notification method is a telephone call to a particular phone number and wherein the first preferred notification method is identified from a plurality of notification methods associated with different phone numbers.

18. (Currently Amended) A computer-implemented method ~~in a computing environment~~ for communicating a laboratory result to a person placing a laboratory order, comprising:

accessing a data store containing a plurality of clinical laboratory results;

accessing an electronic medical record data store containing clinical event information;

posting utilizing one or more computing device, the plurality of clinical laboratory results to the electronic medical record data store;

receiving directly from the person requesting a laboratory order at least two conditions for automatically notifying the person of the results of the laboratory order, wherein the at least two conditions includes a priority level of laboratory order and a normalcy of the clinical laboratory results associated with the laboratory order;

utilizing one or more computing device, selectively identifying directly from the electronic medical record data store a clinical laboratory result requiring communication to the person placing the laboratory order for the selected clinical laboratory result based on, a comparison of the laboratory result and a clinical range relevant to the laboratory result, and information about the clinical laboratory order;

identifying a first preferred notification method for the selected laboratory result from a plurality of notification methods;

identifying a number of conditions for the preferred method; and

if the conditions are satisfied, automatically generating utilizing one or more computing device, a communication of the laboratory result by the first preferred method directly from the electronic medical record data store to the person placing the laboratory order.

19. (Previously Presented) A method according to claim 18, further comprising at least one:

determining if the communication of the laboratory result is successfully completed; and

determining if the communication of the laboratory result is not completed, wherein, a second preferred method from the plurality of notification methods is identified and wherein a communication of the laboratory result by the second preferred method is generated.

20. (Original) A method according to claim 18, wherein the conditions relate to the schedule of the person placing the laboratory order.

21. (Original) A method according to claim 18, wherein the laboratory result is communicated by the first preferred notification method through a delegate to the person placing the laboratory order.